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EXPRESS MAIL

HEINRICHS GEOEXPLORATION COMPANY

P. O. BOX 5964, TUCSON, ARIZONA 85703, 806 WEST GRANT ROAD, PHONE: (602) 623-0578

July 30, 1985

AMCA Industries
P. O. Box 189
Cave Creek, AZ 85331
Attn: Mr. Mike Martin

Re: GEOEX #1743
Proposal for geophysical survey,
portions of T. 7 N., R. 4 E.
Maricopa County, Arizona
Silver Cross Claim Group

Dear Mr. Martin:

This proposal letter will confirm recent phone conversations with your father Mr. Charles Martin and yourself and acknowledges receipt of one blue line print of a geological map portion of the New River Mesa U.S.G.S. quadrangle, blown up to a scale of 1" = 400', an AMCA Resources Ltd. Silver Cross Property Claim map (machine copies taped together) at a scale of 1" = 1,000' and a sketch plan of lines and cross lines of former induced polarization (IP) grid at a scale of 1" = 200' or 400'?

We understand you desire a new and/or repeat IP coverage and that the results may or may not be used in conjunction with an affidavit of annual labor. If the maximum allowable five years of geology, geophysics and geochemistry done in any combination has not been used up our work and report of same will be applicable for annual labor purposes.

Subject to prior commitments, none of which presently exist, on or about 5 August 1985 GEOEX is prepared to supply complete personnel and equipment for conducting a standard GEOEX IP, resistivity, SP (self potential) survey on the same spacing and grid as previously done or, according to modified specification which we may recommend and which are entirely acceptable to you. The intent here will be to provide you with the maximum benefit of our experience toward achieving your objectives.

According to the geological map and our phone conversations we will be dealing with a shear-zone exposed Precambrian rocks which form a window surrounded by a thick series of Tertiary and Quaternary conglomerate and volcanic rocks, presumably, all post mineral in age.

As you know, IP work is generally used to determine the presence and nature of sulfide minerals which may or may not be associated with economic metal deposition. Since gold is your stated interest, I am not clear at this point whether the relationship, if any, between the presence of gold and sulfides on the premises is known or not. That is why I also mentioned magnetic

and geochemical precious and pathfinder element sampling in my phone conversation yesterday with Mike. If desired we can come prepared to do any or all of these things and then decide finally some time after our initial visit to the property, further discussions with you, and perhaps the early IP results.

Average turn key IP costs run \$4,500.00 to \$5,000.00 per mile with 500 foot dipoles. This includes S.P. (self potential) and resistivity data plotted, interpreted and complete report with the polarization data as well. Shorter dipoles will increase costs per mile of profile but will decrease costs per data point observed. Daily costs depending on crew size per field day but including final report will run from about \$1,250.00 to \$1,500.00 per crew field day. If only IP and nothing else is done three men and one vehicle will suffice. If other work is contemplated, four men and two vehicles may be desirable. Incidentally, one important factor related to dipole spacing is depth to sulfides or depth of oxidation. In the valley I would guess it may be quite shallow, where unaltered but, may be fairly deep under the shear zone. IP may determine this if sulfides exist and if our dipole spacing is not too small or the sulfide depth too deep. Maximum IP detection depth is usually roughly two times the dipole spacing while maximum resolution is usually the order of 0.2 of the dipole spacing or less especially with depth. This means, for example, you won't usually learn much about the upper or top 20 ft. with dipole spacing of 100 feet or greater. *(up to 0.5 of the dipole)*

Field crew rate charges including geophysical and nominal surveying equipment are as follows (plus expenses):

	40 hrs. per week (regular time)	Over 40 hrs. week (over time)
	Per Hour	Per hour
One man (professional or supervisor)	\$32.50	\$39.50
Two men (one pro. minimum)	45.00	59.00
Three men, (one pro. one tech. minimum) one helper.	60.00	74.25
Four men, (one pro. minimum and 2 techs. plus helper)	75.00	98.50

Mobilization and demobilization travel, standby and weathered out work days not made up are charged at one half the above rates up to a maximum of 10 hours per day. Travel time from crew domicile to job site and return is considered part of the normal crew work day.

Per diem is \$50.00 per man day or our cost which ever is greater. Vehicles are \$50.00 per day plus \$0.40 per mile or our invoiced cost plus 15%. Data compilation in field or office, report and office supervision are charged at \$27.50 per professional man hour plus expenses. Work days usually average about 10 hours and work weeks about 60 hours from Sunday through Saturday. Expendable supplies, outside equipment or labor, subcontracting, communications, reproductions, transportation, etc., directly incidental to the job are charged at 115% of our invoiced payroll costs and, except for transportation most commonly will amount to about three percent of total job charges.

Weather this time of year could be a factor relative to production, we will however do our best to avoid or minimize this by working as early in the day as we can.

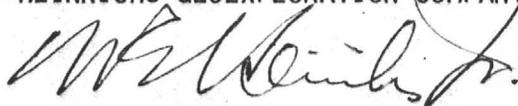
Preliminary field plots and interpretation are usually available within two or three days following acquisition. Final report will take a week or ten days after completion of all field work depending on the complexity of data and degree of drafting, etc. required or desired. Compilation and report costs are estimated at 25% to 35% of the total job.

A customary advance on short jobs of half of the estimated job will serve as our notice from you to proceed. This amount will be allocated against subsequent periodic detailed billings and/or with a final statement accompanying the final report.

The crew will domicile as near to the job site as reasonably feasible and we will appreciate your recommendation for this.

For our mutual convenience, if this letter constitutes a satisfactory mutual understanding then such may be indicated by executing as provided below on the enclosed extra copy of this letter and returning same to us together with your advance on account of \$5,000.00. A statement for this purpose is enclosed.

Faithfully,
HEINRICHS GEOEXPLORATION COMPANY



Walter E. Heinrichs, Jr., President

Geol. Engr. - Geop., P.E. & C.P.G.S.

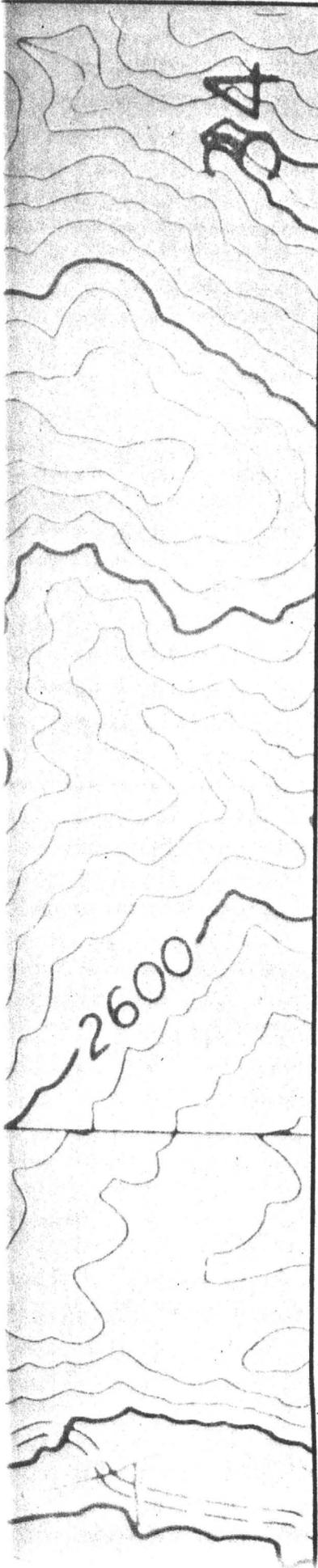
WEH:jh
Encl: Extra cc.

Accepted: Date: _____

AMCA Industries

By: _____

Title: _____



Topographic base from: U.S.G.S. New River Mesa, 7.5 min. quad.
Geologic mapping by John S. Latta, Feb. 1984



NEWMONT EXPLORATION LIMITED
Tucson, Arizona

GEOLOGIC MAP

SILVER CROSS PROSPECT

T. 7 N., R. 4 E.

Maricopa County, Arizona

JSL/kck

SCALE: 1" = 400'

March, 1984

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EXPLANATION

Qu

Quaternary deposits, undifferentiated

QTV

Quaternary ? and Tertiary volcanics deposits, including basalt flows, tuffs, breccias, and volcaniclastic deposits

Tc

Tertiary ferrugeneous conglomerate

p/eli

Precambrian rocks - metamorphosed to greenschist facies. Nonfoliated latite/monzonite porphyry dikes and plugs.

pEri

Equigranular nonfoliated fine-medium rhyolite/granite intrusive (?)

pCiu

Aphanitic: massive, flow-banded, or vesicular presumably latic to andesitic (possibly including basaltic) flows, pyroclastic and volcaniclastic rocks undifferentiated. Locally containing trace to 1% disseminated pyrite.

pEt

Volcaniclastic sandstones, quartz-pebble conglomerate cherts. Locally contain pyrite and chalcopyrite.

Chert beds

Stringer ore (?) zone

pErp

Rhyolite porphyry, contains rounded quartz phenocrysts sericitized feldspar (Kspc)

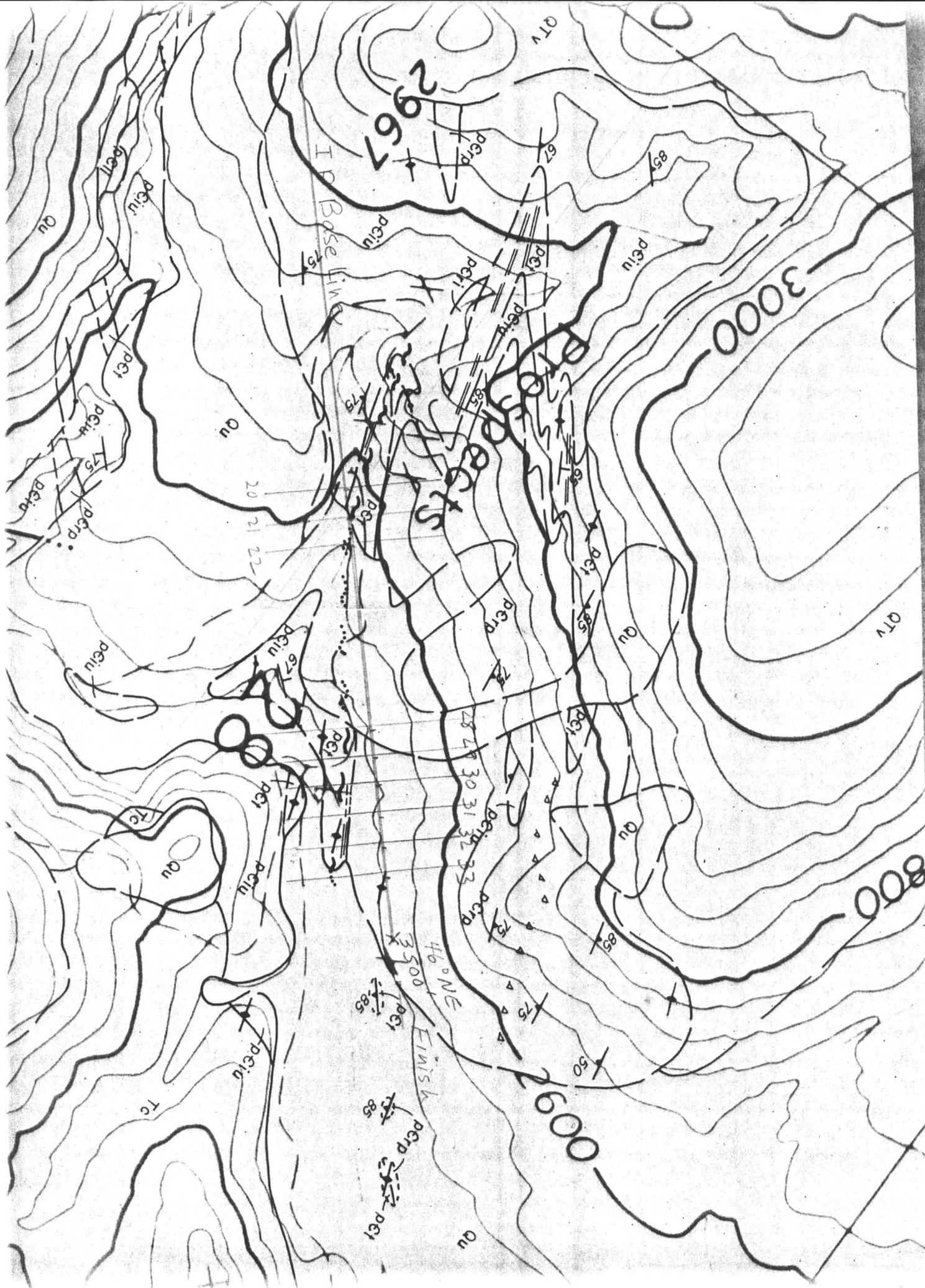
Contacts, dashed where appropriate

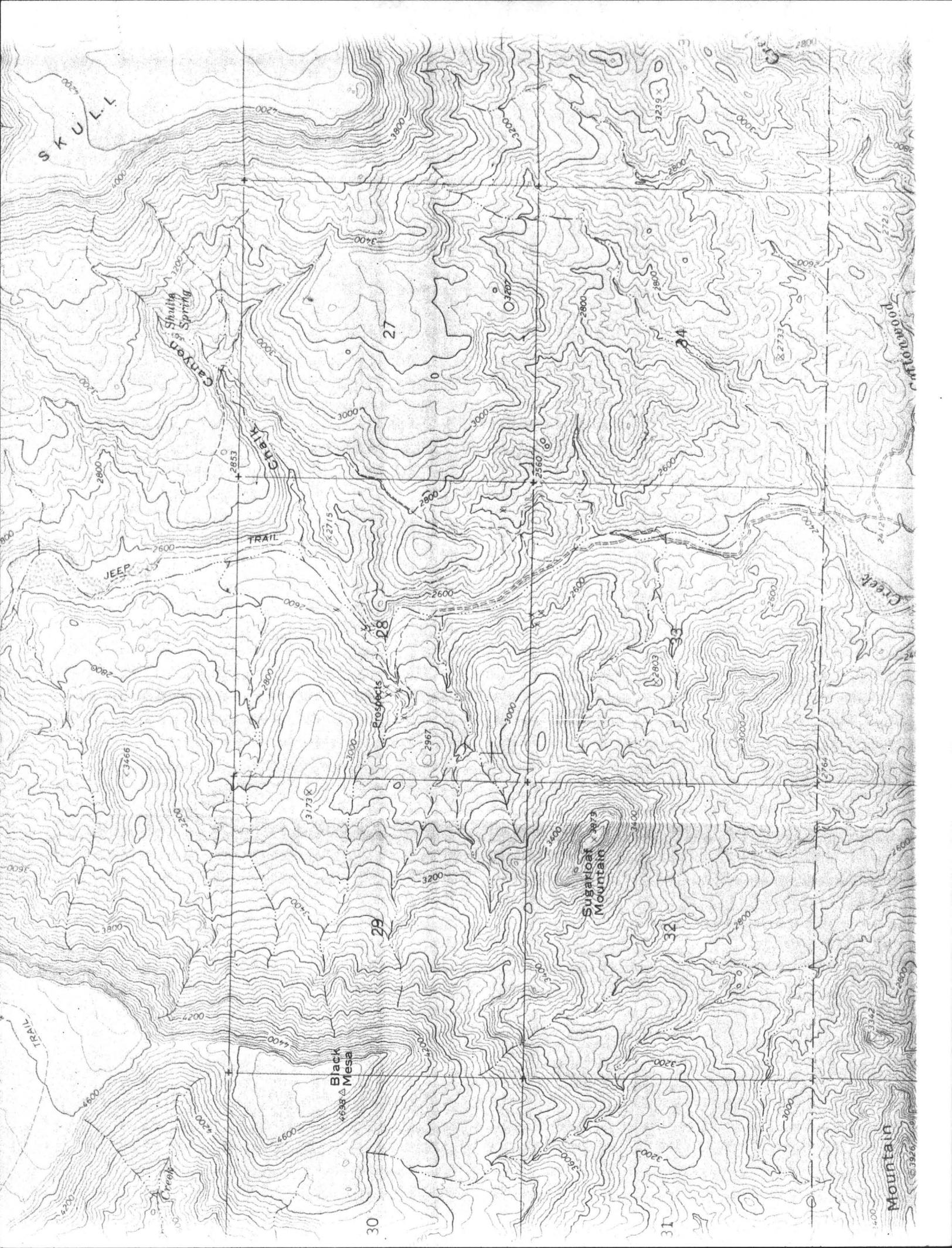
Strike and dip of inclined

Strike and dip of vertical

Shear zone, dotted where appropriate

Fault, dotted where appropriate





TONTON
N A T I O N A L F O R
New Dix Mesa Quad.

SKULL

Canyon
Shultz Spring
Spring

Gulch

TRAIL

JEEP

27

28

29

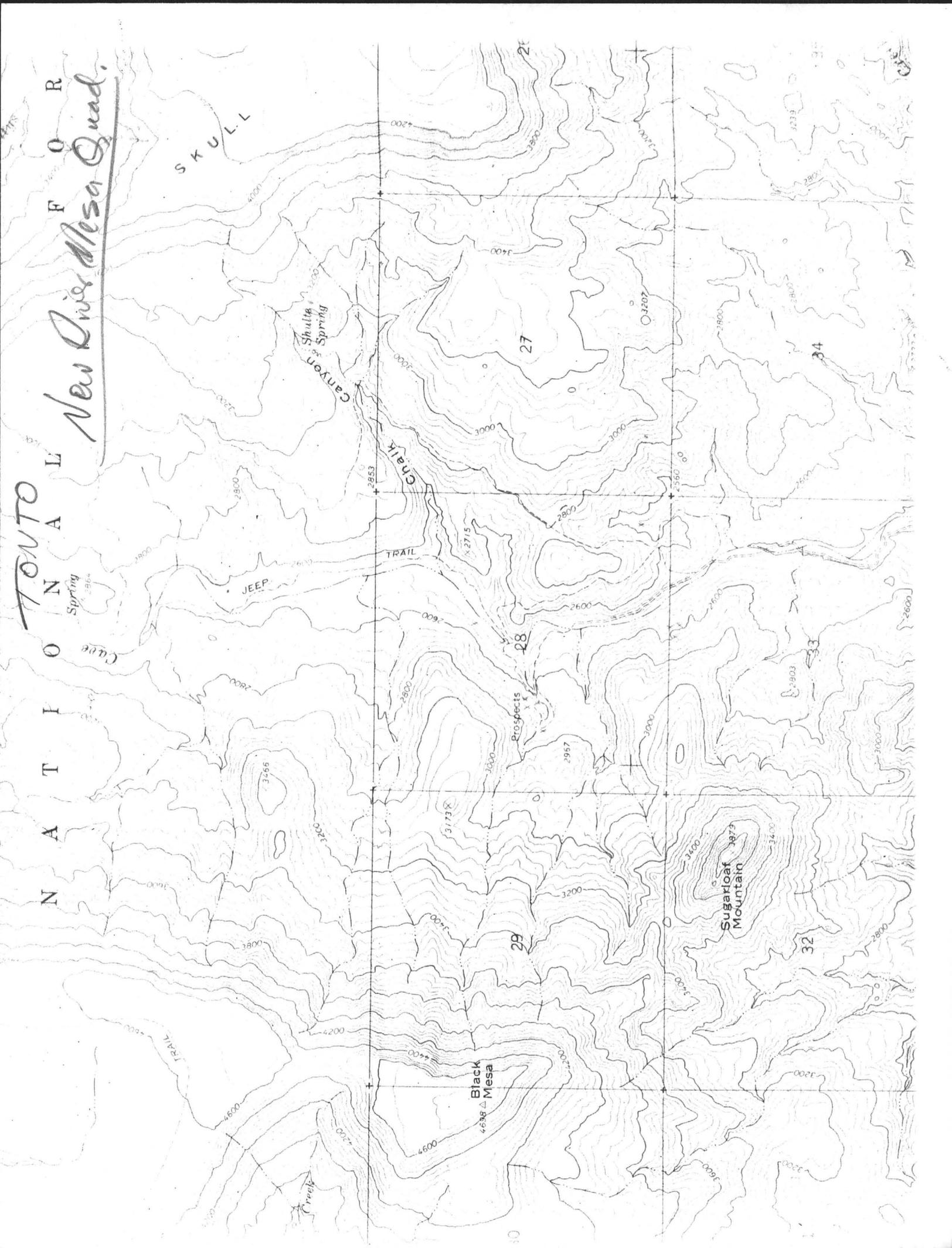
34

33

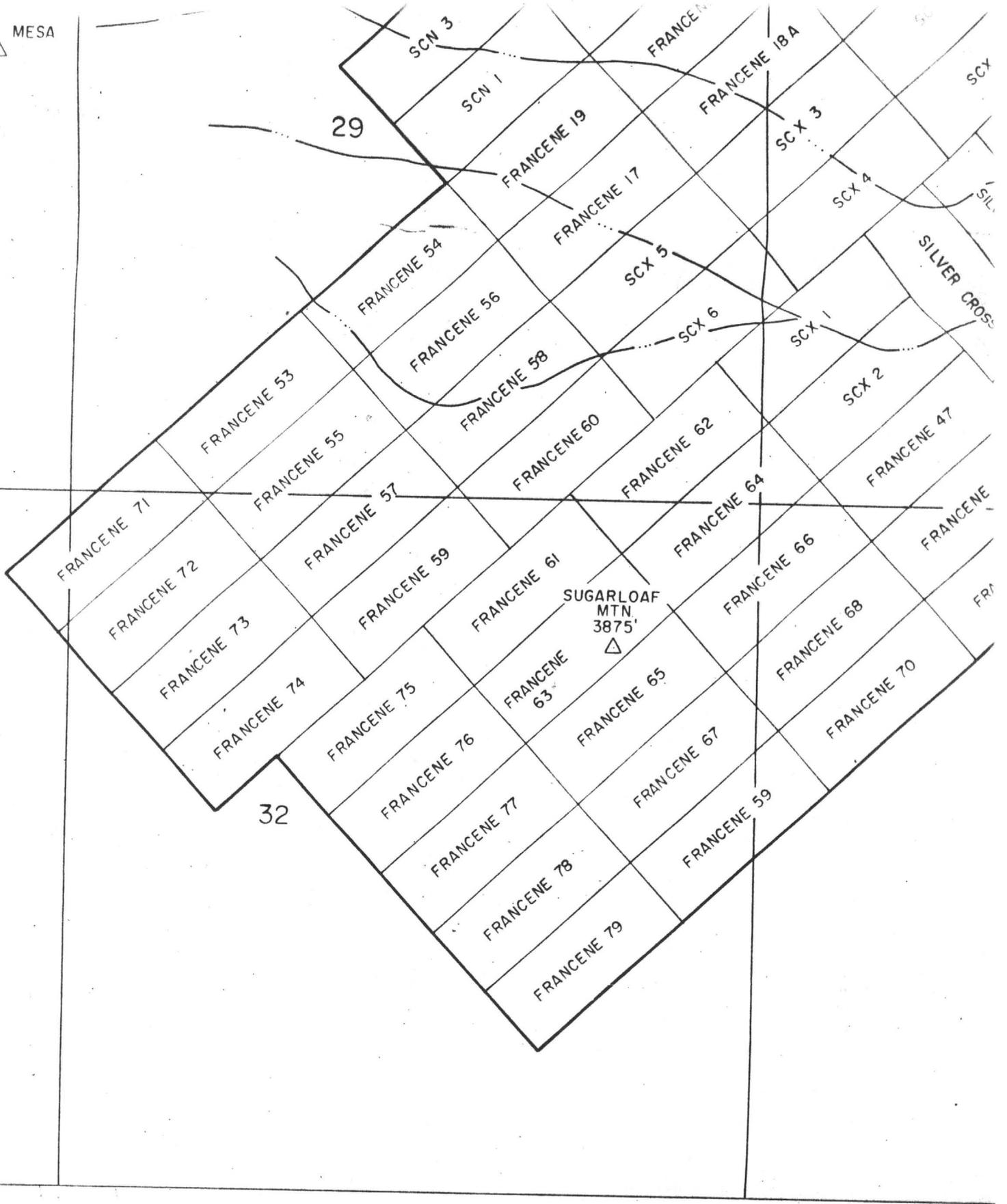
32

Black Mesa
4638

Sugarloaf Mountain
3873



BLACK MESA

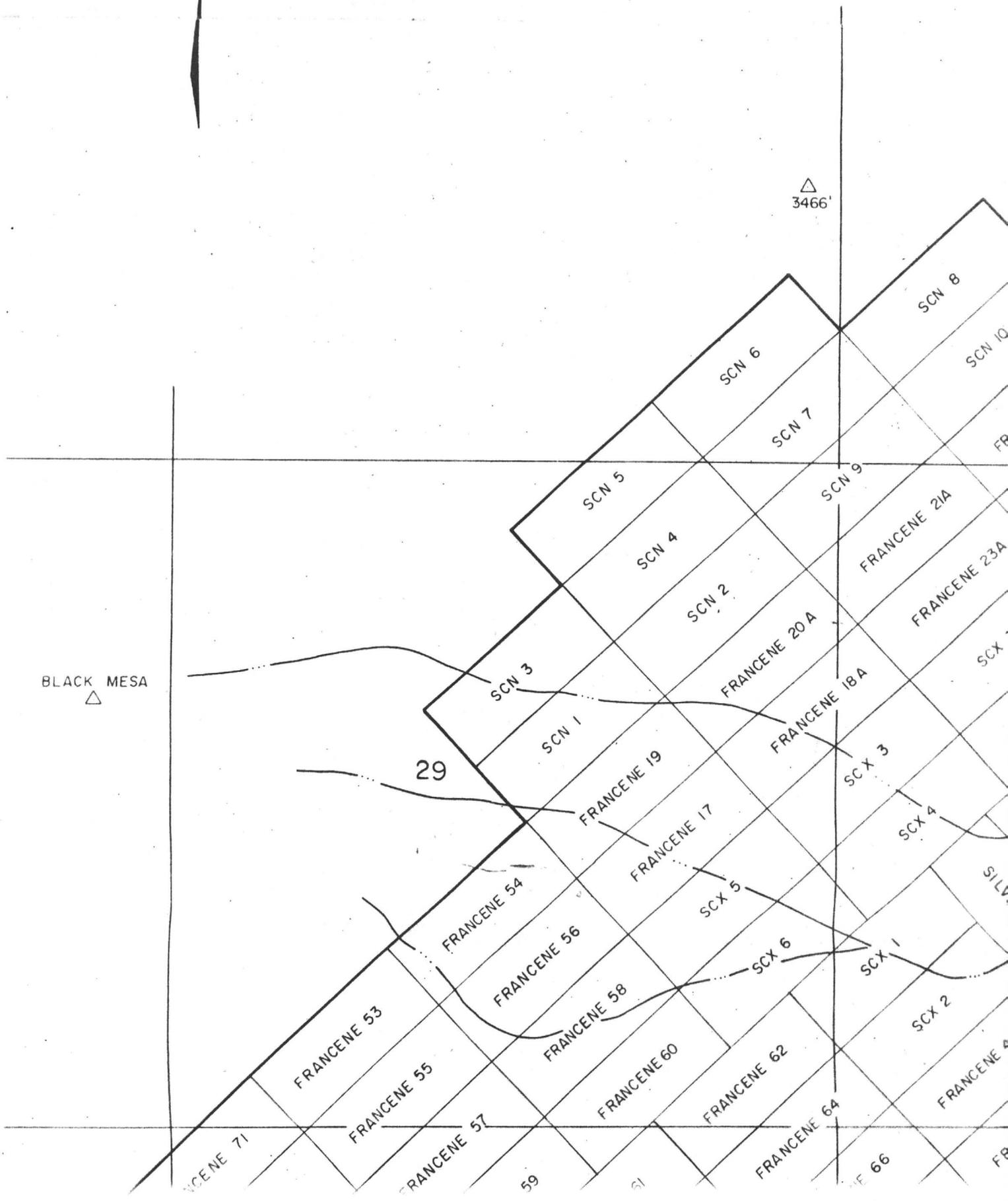




3466'

BLACK MESA
△

29



SCN 3

SCN 1

FRANCENE 19

FRANCENE 17

FRANCENE 54

FRANCENE 56

FRANCENE 58

FRANCENE 60

FRANCENE 62

FRANCENE 64

FRANCENE 71

FRANCENE 55

FRANCENE 57

59

61

66

SCN 6

SCN 7

SCN 9

SCN 8

SCN 10

SCN 5

SCN 4

SCN 2

FRANCENE 20 A

FRANCENE 18 A

FRANCENE 21 A

FRANCENE 23 A

SCX 3

SCX 4

SCX 5

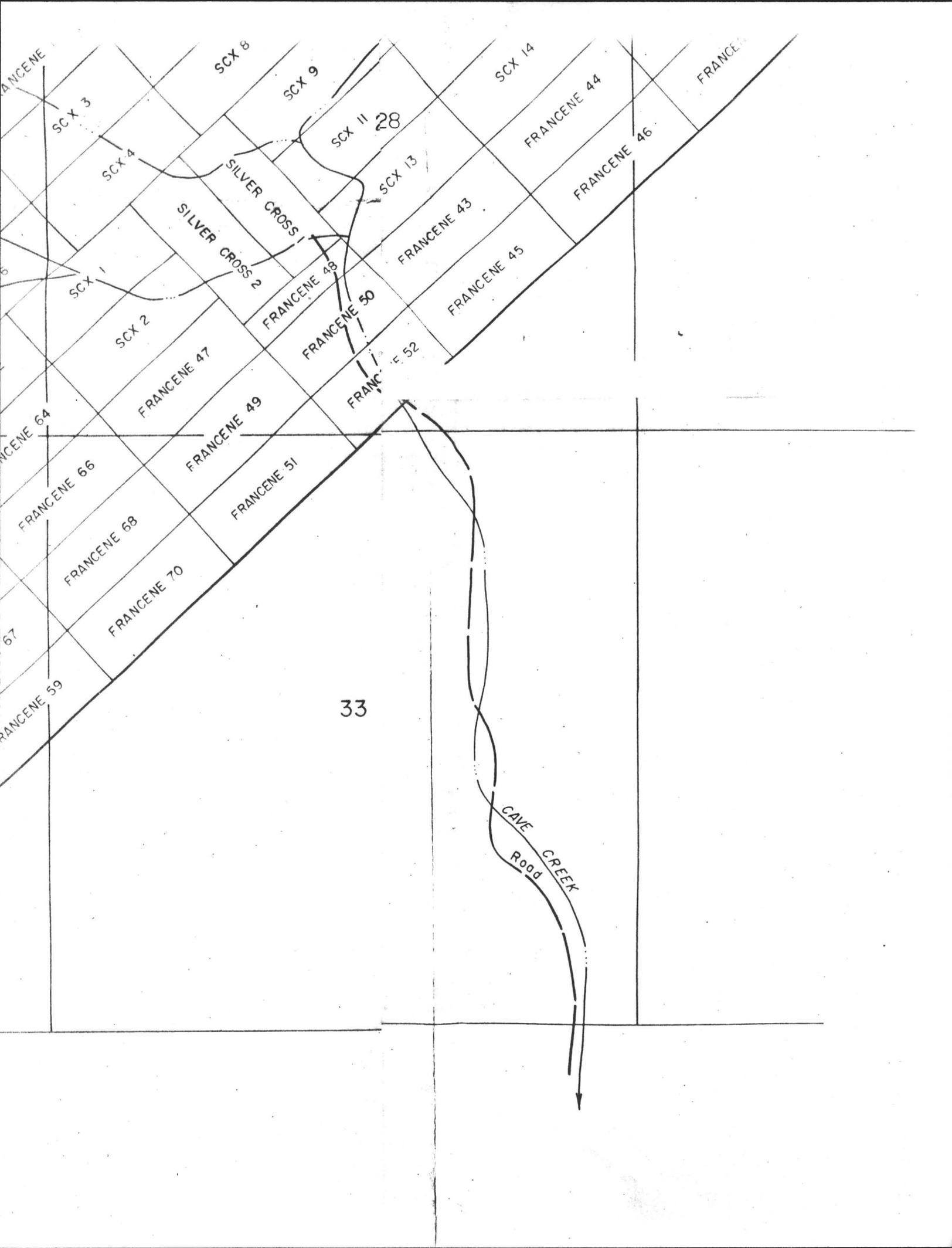
SCX 6

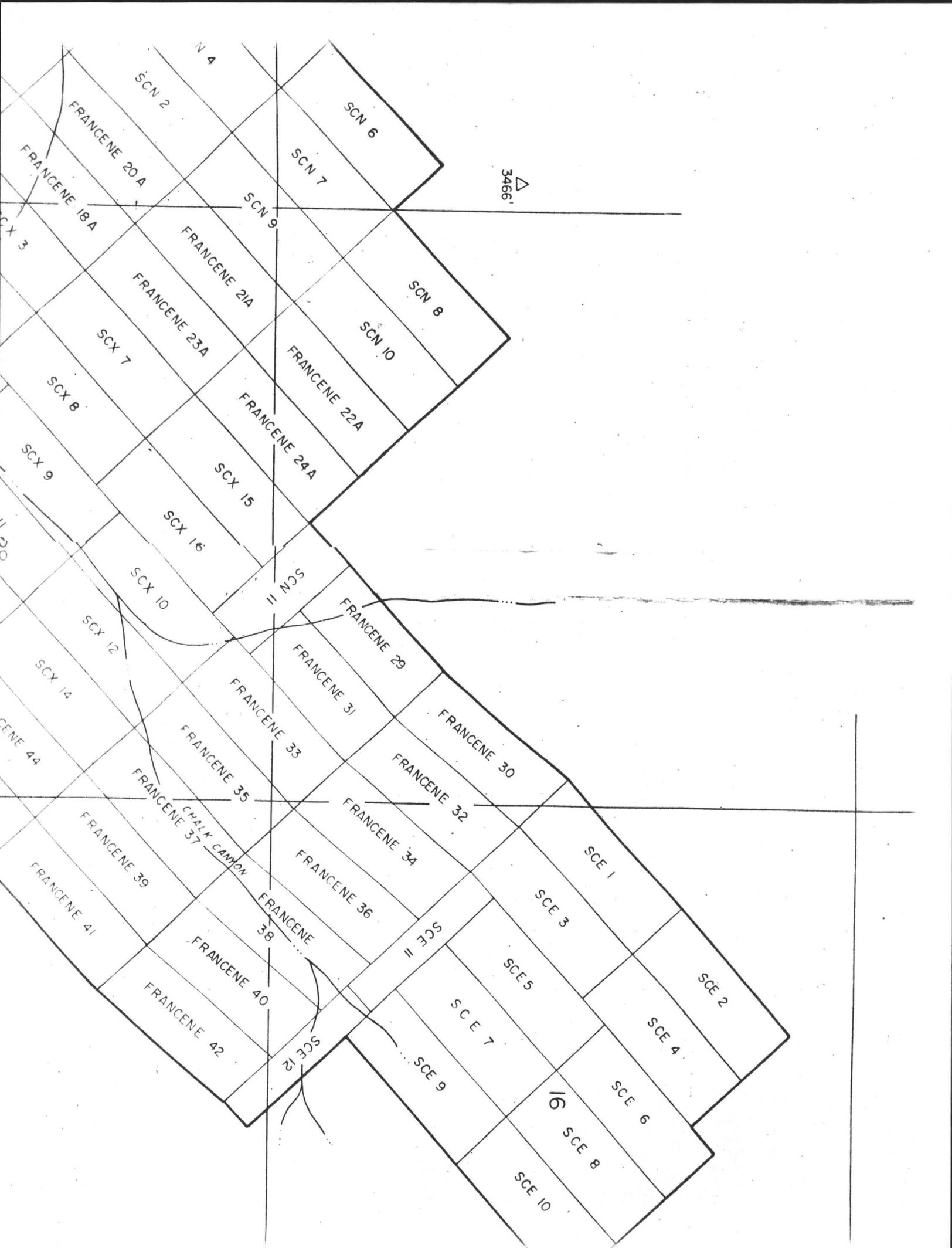
SCX 1

SCX 2

SILV

FRANCENE 4





N 4

SCN 2

SCN 6

3466'

FRANCENE 20A

FRANCENE 18A

SCN 9

SCN 7

SCN 8

FRANCENE 21A

SCN 10

FRANCENE 23A

FRANCENE 22A

SCX 7

SCX 8

FRANCENE 24A

SCX 15

SCX 9

SCX 16

SCX 10

S

FRANCENE 29

SCX 12

FRANCENE 31

FRANCENE 30

SCX 14

FRANCENE 33

FRANCENE 32

FRANCENE 35

FRANCENE 34

SCE 1

FRANCENE 37

FRANCENE 36

SCE 3

SCE 2

FRANCENE 39

FRANCENE 38

SCE 5

SCE 4

FRANCENE 41

FRANCENE 40

SCE 7

SCE 6

FRANCENE 42

SCE 12

SCE 9

SCE 8

SCE 10

CHALK CANYON

27



AMCA RESOURCES LTD.

SILVER CROSS PROPERTY
CLAIM MAP

CAVE CREEK M.D.
ARIZONA

JOHN R. POLONI & ASSOCIATES LTD.

L.4 (@ BL 2100)

0	425	105	.82	7.9	310
1NW	1030	345	1.46	4.2	421
2NW	760	150	.66	4.4	248
1SE	1000	365	1.64	4.5	458
2SE	1020	355	1.40	3.9	437

L.5 (@ BL 2000)

1SE	940	430	1.56	3.6	574
2SE	600	210	.48	2.3	440
3SE	540	160	-.32	-2.0	372
0	540	125	.82	6.6	291
1NW	660	285	1.64	5.8	542
2NW	710	225	1.40	6.2	398
3NW	740	130	.81	6.2	221

P 50	310	STA. 0 @ BL ²⁰⁰⁰ 170	.82	4.8	344
P 100	270	175	.90	5.1	407
P 150	620	720	2.82	3.9	729
P 200	860	1000	3.48	3.5	730

P 0	640	390	1.62	4.2	765
P 100	620	230	1.28	5.6	466
P 150	870	450	2.34	5.2	650

100' A

LINE 6

STA 0 @ BL. 2900

STA.	I	ΔV	I.P.	$\frac{I.P.}{\Delta V}$	J
0	510	150	1.06	7.1	369
1NW	620	145	.68	4.7	294
2NW	890	230	1.72	5.2	466
3NW	680	205	.82	4.0	379
4SE	810	175	1.84	10.5	271
2SE	960	950	<u>6.42</u>	6.8	1243



10-25-83

496
49471 OFFICE
2559823 MINS
7 1/2

↓ 6 3 → 1146E

LINE "BASE LINE" (N46E)

STA.	I	AV	I.P.	$\frac{I.P.}{AV}$	$\frac{1256}{I}$
18	1130	620	2.68	4.3	689
19	700	195	.52	2.7	350
20	1100	580	2.07	3.6	662
21	880	310	1.64	5.3	442
22 ✓	920	330	2.62	7.9	451 ✓
23	900	210	1.18	5.6	293
24	780	200	.82	4.1	322
25	880	230	.45	2.0	328
26	1040	155	.28	1.8	187
17 ✓	1250	410	1.76	4.3	412
16	830	580	1.84	3.2	878
15	820	445	1.98	4.4	682
14 ✓	660	330	1.76	5.3	628
13	580	270	1.02	3.8	585
12	1000	325	1.26	3.9	408
11	1030	290	.74	2.6	354

L. 3 (@ RL. 220)

1 NW	1200	350	1.92	5.5	366
2 NW	1420	290	1.42	4.9	257
0 (BL)	1240	650	4.68	7.2	658
1 SE	900	120	.38	3.2	167
2 SE	830	290	.72	2.5	439

L. 10 (@ 34.32%)

STN.	I.	ΔV	I.P.	$\frac{I.P.}{\Delta V}$	P
3SE	350	125	1.22	9.8	449
2SE	350	110	1.12	10.2	395
1SE	460	130	1.60	8.9	491
0	770	265	1.62	6.4	432
1NW	560	345	2.98	8.6	774
2NW	450	260	2.16	8.3	726
3NW	860	225	1.28	5.7	329

L. 11 (@ 34.33%)

3SE	820	400	3.52	8.8	613
2SE	450	140	1.06	7.6	391
1SE	465	205	2.00	9.8	554
0	700	310	2.82	9.1	556
1NW	460	245	2.20	9.8	669
2NW	500	315	2.48	7.9	791
3NW	410	240	1.42	5.9	735